



\$3611

HB/SB/21 based on PTO/SB/21 (08-00)

Please type a plus sign (+) inside this box → ☐

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

| | |
|------------------------|--------------------------|
| Application Number | 09/824,980 |
| Filing Date | April 3, 2001 |
| First Named Inventor | Donald J. Williams et al |
| Group Art Unit | 3611 |
| Examiner Name | Daniel G. DePumpo |
| Attorney Docket Number | 3174-000008 |

Total Number of Pages in This Submission

RECEIVED
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GROUP 3600

ENCLOSURES (check all that apply)

- ☒ Fee Transmittal Form
- ☒ Fee Attached
- ☐ Amendment / Response
 - ☐ After Final
 - ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☒ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/Incomplete Application
 - ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

- ☐ Assignment Papers (for an Application)
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a Provisional Application
- ☐ Power of Attorney, Revocation Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s) _____

- ☐ After Allowance Communication to Group
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Other Enclosure(s) (please identify below):

PTO Form 1449 with 79 cited references; and Return Postcard.

Remarks

The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | | | | | |
|-------------------------|----------------------------------|---------------|--------------------|----------|--------|
| Firm or Individual name | Harness, Dickey & Pierce, P.L.C. | Attorney Name | Michael D. Wiggins | Reg. No. | 34,754 |
| Signature | | | | | |
| Date | 11/25/02 | | | | |

CERTIFICATE OF MAILING/TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, or facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below.

| | | | |
|-----------------------|-------------------|------|----------|
| Typed or printed name | Stephanie Provost | | |
| Signature | | Date | 11-25-02 |



Under the Paperwork Reduction Act of 1

persons are required to respond to a collection of information

PTO/SB/17 (10-02)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
It displays a valid OMB control number.

FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180

Complete if Known

Application Number 09/824,980
Filing Date April 3, 2001
First Named Inventor Williams et al.
Examiner Name Daniel G. DePumpo
Group / Art Unit 3611
Attorney Docket No. 3174-000008

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GROUP 3600

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☐ Deposit Account:

Deposit Account Number 08-0750

Deposit Account Name Harness, Dickey & Pierce, P.L.C.

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments
☒ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity | Small Entity | Fee Code | Fee (\$) | Fee Description | Fee Paid |
|--------------|--------------|----------|----------|------------------------|----------|
| 1001 | 740 | 2001 | 370 | Utility filing fee | |
| 1002 | 330 | 2002 | 165 | Design filing fee | |
| 1003 | 510 | 2003 | 255 | Plant filing fee | |
| 1004 | 740 | 2004 | 370 | Reissue filing fee | |
| 1005 | 160 | 2005 | 80 | Provisional filing fee | |
| SUBTOTAL (1) | | | | | (\$) 0 |

2. EXTRA CLAIM FEES

Total Claims -20 ** = 0 X = 0
Independent Claims -3 ** = 0 X = 0
Multiple Dependent X = 0

| Large Entity | Small Entity | Fee Code | Fee (\$) | Fee Description |
|--------------|--------------|----------|----------|------------------------------------------------------------|
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 |
| 1201 | 84 | 2201 | 42 | Independent claims in excess of 3 |
| 1203 | 280 | 2203 | 140 | Multiple dependent claim, if not paid |
| 1204 | 84 | 2204 | 42 | ** Reissue independent claims over original patent |
| 1205 | 18 | 2205 | 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$) 0

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Code | Fee (\$) | Fee Description | Fee Paid |
|--------------|--------------|----------|----------|----------------------------------------------------------------------------|----------|
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath | |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 | 130 | 1053 | 130 | Non-English specification | |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for reexamination | |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 | 110 | 2251 | 55 | Extension for reply within first month | |
| 1252 | 400 | 2252 | 200 | Extension for reply within second month | |
| 1253 | 920 | 2253 | 460 | Extension for reply within third month | |
| 1254 | 1,440 | 2254 | 720 | Extension for reply within fourth month | |
| 1255 | 1,960 | 2255 | 980 | Extension for reply within fifth month | |
| 1401 | 320 | 2401 | 160 | Notice of Appeal | |
| 1402 | 320 | 2402 | 160 | Filing a brief in support of an appeal | |
| 1403 | 280 | 2403 | 140 | Request for oral hearing | |
| 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding | |
| 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable | |
| 1453 | 1,280 | 2453 | 640 | Petition to revive - unintentional | |
| 1501 | 1,280 | 2501 | 640 | Utility issue fee (or reissue) | |
| 1502 | 450 | 2502 | 230 | Design issue fee | |
| 1503 | 620 | 2503 | 310 | Plant issue fee | |
| 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17 (q) | |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt | 180 |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | |
| 1809 | 740 | 2809 | 370 | Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| 1810 | 740 | 2810 | 370 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 1801 | 740 | 2801 | 370 | Request for Continued Examination (RCE) | |
| 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application | |

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 180

SUBMITTED BY

Complete (if applicable)

| | | | | | |
|-------------------|--------------------|----------------------------------|--------|-----------|----------------|
| Name (Print/Type) | Michael D. Wiggins | Registration No. Attorney/Agent) | 34,754 | Telephone | (248) 641-1500 |
| Signature | | | | Date | 11/25/02 |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

W. Williams
12/10/02
PATENT

RECEIVED #9
DEC 06 2002
GROUP 3600

Application No.: 09/824,980
Filing Date: April 3, 2001
Applicant: Donald J. Williams et al.
Group Art Unit: 3611
Examiner: Daniel G. DePumpo
Title: ELECTRIC POWER STEERING SYSTEM INCLUDING
A SEGMENTED STATOR SWITCHED RELUCTANCE
MOTOR
Attorney Docket: 3174-000008

Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. **LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION**

The patents, publications and other information submitted for consideration by the Office (except unpublished U.S. patent applications) are listed on Form 1449, attached hereto.

II. **COPIES**

A. X Submitted herewith is a legible copy of (i) each U.S. patent application publication and U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; (iii) for each cited pending U.S. application, the application specification including the claims, and any drawing of the application which caused it to be listed including the claims directed to that portion; and (iv) all other information or that portion which caused it to be listed.

B. Any patents, publications or other information which are listed on Form 1449 or on the copies of PTO-892, but which are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

U.S. Serial Number

U.S. Filing Date

C. ___ This is a PCT application in the entry of the National Phase in the United States. A copy of the International Search Report is attached for the Examiner's information. The documents listed on the International Search Report are listed on the attached Form-1449 for consideration by the Examiner and for listing on any patent resulting from this application. Since the International Search Report was from the US, EPO, or JPO search authorities, copies of these references should have been supplied to the USPTO under the trilateral agreement and are believed to be in the file of the above-identified application. (MPEP 1893.03(g))

III. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

A. X Except as may be indicated below in (B), all of the patents, publications or other information are in the English language (concise explanation not required).

B. ___ A concise explanation of the relevance of each patent, publication or other information listed that is not in the English language is as follows (see 37 C.F.R. § 1.98(a)(3)):

1. ___ See the attached foreign patent office communication from a counterpart foreign application:
2. ___ English translations are provided for:
3. ___ Other:

C. X The following additional information is provided for the Examiner's consideration.

T.J.E. Miller, "Switched Reluctance Motors and Their Control", is being cited in its entirety in the interest of completeness. The introduction and pages 4-7 are relevant to the issue of simplicity of design of convention SR machines, in contrast to the inventive segmented stator SR machine.

IV. CROSS REFERENCE TO RELATED APPLICATION(S)

A. ___ The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this(these) application(s) to the Examiner's attention, Applicant(s) does(do) not waive the confidentiality provisions of 35 U.S.C. § 122.

Serial No.

Filing Date

Art Unit

V. THIS IDS IS BEING FILED UNDER

A. ___ 37 C.F.R. § 1.97(b): (check only one box)

1. ___ within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.

2. ____ within three months of the date of entry of the national stage as set forth in §1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.

3. ____ before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).

4. ____ before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.

B. ____ 37 C.F.R. § 1.97(c): (check only one box)

- before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.

1. ____ No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

2. ____ See the certification below. No fee is required.

C. X 37 C.F.R. § 1.97(d):

- after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.

1. ____ See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

VI. CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)

The undersigned hereby certifies that:

A. ____ each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement under 37 C.F.R. § 1.704(d) below in section VII, if applicable; or

B. ☐ no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).

C. ☐ Some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.

VII. STATEMENT UNDER 37 CFR 1.704(d)

The undersigned hereby states that:

☐ each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. 1.56(c) more than thirty days prior to the filing of this IDS.

VIII. PAYMENT OF FEES (check only one box)

A. ☒ A check in the amount of \$180.00 is enclosed for the above-identified fee.

B. ☐ Please charge Deposit Account No. 08-0750 in the amount of \$180.00 for the above-indicated fee. A duplicate copy of this paper is attached.

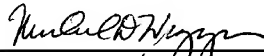
The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 08-0750.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 08-0750.

Respectfully submitted,

Dated: 11/25/02

By: 
Michael D. Wiggins
Reg. No. 34,754

HARNESS, DICKEY & PIERCE, P.L.C.
P.O. Box 828
Bloomfield Hills, Michigan 48303
(248) 641-1600



47 #9

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GROUP 3600

FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION**
(Use several sheets if necessary)

Sheet 1 of 4

| | |
|---------------------|------------|
| ATTORNEY DOCKET NO. | SERIAL NO. |
| 3174-000008 | 09/824,980 |
| APPLICANT | |
| Williams et al. | |
| FILING DATE | GROUP |
| April 3, 2001 | 3611 |

U.S. PATENT DOCUMENTS

| Ref. Desig. | Examiner's Initials | Document Number | Date | Name | Class/ Subclass | (If appropriate) Filing Date |
|-------------|---------------------|-----------------|------------|-----------------|-----------------|------------------------------|
| 1. | | 2002/0089251A1 | 07/11/2002 | Tajima et al. | | |
| 2. | | 2001/0030517 A1 | 10/18/2001 | Batzel | | |
| 3. | | 2001/0010452 A1 | 08/02/2001 | Moriarty | | |
| 4. | | 3,604,222 | 09/14/1971 | Sandkrug et al. | | |
| 5. | | 4,130,770 | 12/19/1978 | Wrobel | | |
| 6. | | 4,340,829 | 07/20/1982 | McCoy | | |
| 7. | | 4,698,542 | 10/06/1987 | Muller | | |
| 8. | | 4,772,839 | 09/20/1988 | MacMinn et al. | | |
| 9. | | 4,883,982 | 11/28/1989 | Forbes et al. | | |
| 10. | | 4,950,932 | 08/21/1990 | Harms et al. | | |
| 11. | | 4,959,596 | 09/25/1990 | MacMinn et al. | | |
| 12. | | 5,173,650 | 12/22/1992 | Hedlund | | |
| 13. | | 5,327,053 | 07/05/1994 | Mann et al. | | |
| 14. | | 5,467,025 | 11/14/1995 | Ray | | |
| 15. | | 5,583,387 | 12/10/1996 | Takeuchi et al. | | |
| 16. | | 5,743,721 | 04/28/1998 | Graham et al. | | |
| 17. | | 5,786,651 | 07/28/1998 | Suzuki | | |
| 18. | | 5,806,169 | 09/15/1998 | Trago et al. | | |
| 19. | | 5,811,905 | 09/22/1998 | Tang | | |
| 20. | | 5,821,661 | 10/13/1998 | Wissmach et al. | | |
| 21. | | 5,877,568 | 03/02/1999 | Maes et al. | | |

| | |
|-----------|------------------|
| Examiner: | Date Considered: |
|-----------|------------------|

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM HDP-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Sheet 2 of 4

| | |
|---------------------|------------|
| ATTORNEY DOCKET NO. | SERIAL NO. |
| 3174-000008 | 09/824,980 |
| APPLICANT | |
| Williams et al. | |
| FILING DATE | GROUP |
| April 3, 2001 | 361 |

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GROUP 3600

U.S. PATENT DOCUMENTS

| Ref. Desig. | Examiner's Initials | Document Number | Date | Name | Class/ Subclass | (If appropriate) Filing Date |
|-------------|---------------------|-----------------|------------|---------------|-----------------|------------------------------|
| 22. | | 6,041,625 | 03/28/2000 | Nagai et al. | | |
| 23. | | 6,104,113 | 08/15/2000 | Beifus | | |
| 24. | | 6,194,805 | 02/27/2001 | Heese et al. | | |
| 25. | | 6,194,806 | 02/27/2001 | Suzuki et al. | | |
| 26. | | 6,219,900 | 04/24/2001 | Suzuki | | |
| 27. | | 6,359,412 | 03/19/2002 | Heglund | | |
| 28. | | 6,369,481 | 04/09/2002 | Bahn | | |
| 29. | | 6,369,687 | 04/09/2002 | Akita et al. | | |

FOREIGN PATENT DOCUMENTS

| Ref. Desig. | Examiner's Initials | Document Number | Date | Country | Class/ Subclass | Translation Yes | No |
|-------------|---------------------|-----------------|----------|---------|-----------------|-----------------|----|
| 1. | | EP0868010A1 | 30-09-98 | Europe | | X | |
| 2. | | EP0823771A1 | 11-02-98 | Europe | | X | |
| 3. | | EP0871282A1 | 14-10-98 | Europe | | X | |
| 4. | | EP0778660A3 | 30-09-98 | Europe | | X | |
| 5. | | EP0967135A2 | 29-12-99 | Europe | | X | |
| 6. | | FR2719324 | 03-11-95 | France | | X | |
| 7. | | EP0350429 | 10-01-90 | Europe | | X | |
| 8. | | 11-341717 | 10-12-99 | Japan | | X | |
| 9. | | 11-332138 | 30-11-99 | Japan | | X | |

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM HDP-1449. (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Sheet 3 of 4

ATTORNEY DOCKET NO.

3174-000008

SERIAL NO.

09/824,980

APPLICANT

Williams et al.

FILING DATE

April 3, 2001

GROUP

3611

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DEC 06 2002

GROUP 3600**FOREIGN PATENT DOCUMENTS**

| Ref. Desig. | Examiner's Initials | Document Number | Date | Country | Class/ Subclass | Translation | |
|----------------|------------------------|--------------------|----------|---------|--------------------|-------------|----|
| | | | | | | Yes | No |
| 10. | | 2000-333388 | 30-11-00 | Japan | | X | |
| 11. | | 09-322439 | 12-12-97 | Japan | | X | |
| 12. | | 2000-312451 | 07-11-00 | Japan | | X | |
| 13. | | 11-289728 | 19-10-99 | Japan | | X | |
| 14. | | 11-289727 | 19-10-99 | Japan | | X | |
| 15. | | 11-289726 | 19-10-99 | Japan | | X | |
| 16. | | 11-289701 | 19-10-99 | Japan | | X | |
| 17. | | 11-275830 | 08-10-99 | Japan | | X | |
| 18. | | 10-271718 | 09-10-98 | Japan | | X | |
| 19. | | 09-233742 | 05-09-97 | Japan | | X | |
| 20. | | 2000-224790 | 11-08-00 | Japan | | X | |
| 21. | | 10-210721 | 07-08-98 | Japan | | X | |
| 22. | | 11-191987 | 13-07-99 | Japan | | X | |
| 23. | | 10-174319 | 26-06-98 | Japan | | X | |
| 24. | | 2000-139052 | 16-05-00 | Japan | | X | |
| 25. | | 11-089129 | 30-03-99 | Japan | | X | |
| 26. | | 05-038086 | 12-02-93 | Japan | | X | |
| 27. | | 2000-37050 | 02-02-00 | Japan | | X | |
| 28. | | 08-033292 | 02-02-96 | Japan | | X | |
| 29. | | 11-018331 | 22-01-99 | Japan | | X | |

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

Sheet 4 of 4

ATTORNEY DOCKET NO.

3174-000008

SERIAL NO.

09/824,980

APPLICANT

Williams et al.

FILING DATE

April 3, 2001

GROUP

3611

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DEC 06 2002

GROUP 3600**FOREIGN PATENT DOCUMENTS**

| Ref. Desig. | Examiner's Initials | Document Number | Date | Country | Class/ Subclass | Translation | |
|-------------|---------------------|-----------------|----------|---------------|-----------------|-------------|----|
| | | | | | | Yes | No |
| 30. | | 2000-014057 | 14-01-00 | Japan | | X | |
| 31. | | 2001-008395 | 12-01-01 | Japan | | X | |
| 32. | | WO 00/79670A1 | 28-12-00 | WIPO | | X | |
| 33. | | WO 00/37731 | 29-06-00 | WIPO | | X | |
| 34. | | GB 1200279 | 29-07-70 | Great Britain | | X | |
| 35. | | 09084282 | 28-03-97 | Japan | | X | |
| 36. | | 61030938 | 13-02-86 | Japan | | X | |

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

| Ref. Desig. | Examiner's Initials | |
|-------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | | G. Gallegos-Lopez, P.C. Kjaer, T.J.E. Miller, "A New Rotor Position Estimation Method For Switched Reluctance Motors Using PWM Voltage Control", in Proc EPE'97, 7th European Conf. on Power Electronics and Applications 8-10 Sept. 1997 Trondheim Norway Vol. 3 pp. 580-585. |
| 2. | | Stephenson/Blake, "The Characteristics, Design and Applications of Switched Reluctance Motors and Drives", presented at the PCIM '93 Conference and Exhibition at Nuremberg, Germany, June 21-24, 1993. |
| 3. | | T.J.E. Miller, "Switched Reluctance Motors and Their Control", Magna Physics Publishing and Clarendon Press Oxford 1993. |
| 4. | | WF Ray and IH Al-Bahadly, "Sensorless Methods for Determining the Rotor Position of Switched Reluctance Motors", published in the Proceedings of the European Power Electronics Conference, Brighton UK 13-16 Sept. 1993 Vol. 6, pp. 7-13. |

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